

**Notice of Allowability**

Application No.

10/654,188

Examiner

Joon H. Hwang

Applicant(s)

GARDNER ET AL.

Art Unit

2166

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to a telephone interview with Arthur A. Gardner (Reg. No. 33,887) on 4/26/07.
2. ☒ The allowed claim(s) is/are 3-26 (renumbered as 1-24).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

### **DETAILED ACTION**

1. The applicants amended claims 3, 11-12, 20-21, and 26 in the amendment received on 2/8/07.

The claims 3-26 are pending.

### **EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. Authorization for this examiner's amendment was given in a telephone interview with Arthur A. Gardner (Reg. No. 33,887) on 4/26/07.
4. The application has been amended as follows:

Rewrite claim 3 as follows:

"3. A system for reporting performance of a telecommunication network or portion thereof, comprising:

at least one user interface device for requesting a telecommunication network performance report and selection of a configuration of the report, the user interface device providing a first user option for requesting a first input parameter to base the report at least in part upon common data and a second input parameter to base the report at least in part upon performance data, wherein common data defines fixed

properties of a set of one or more telecommunication network elements and performance data defines operational performance of a set of one or more telecommunication network elements;

a call statement module programmed to receive and convert said first and second input parameters into a database procedure call statement;

a database report module programmed to:

- (i) receive said procedure call statement;
- (ii) query meta-data tables comprising telecommunication network data so as to determine location of information for data responsive to said call statement;
- (iii) receive from said meta-data tables the location information, and;
- (iv) use the location information to retrieve data responsive to said call statement; and,

a report presentation module programmed to:

- (i) receive the responsive data; and
- (ii) convert and output the responsive data into the requested telecommunication network performance report having the selected configuration.”;

Rewrite claim 4 as follows:

“4. The system of claim 3, wherein the system provides access to both (i) performance data comprising statistical measurement data, and (ii) a common data source containing common data about reported telecommunication network devices not

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included in the statistical measurement data, so as to permit the common data and statistical measurement data to be grouped by management areas.”;

Rewrite claim 5 as follows:

“5. The system of claim 3, further comprising a first data file comprising the common data for at least one telecommunication network device within said telecommunication network, and a second data file comprising the performance data for said at least one telecommunication network device.”;

Rewrite claim 8 as follows:

“8. The system of claim 5, wherein said at least one telecommunication network device comprises at least one of the following devices: switches, cell sites, and nodes.”;

Rewrite claim 10 as follows:

“10. The system of claim 9, wherein the system provides access to common source data regarding said at least one telecommunication network device, and said system further comprises a common data loader programmed to load said common source data into said first data file.”;

Rewrite claim 11 as follows:

“11. The system of claim 9, wherein the system provides access to performance source data regarding said at least one telecommunication network device, and said

system further comprises a performance data loader programmed to load said performance source data into said second data file.”;

Rewrite claim 12 as follows:

“12. A method for reporting performance of a telecommunication network or portion thereof, comprising the steps of:

retrieving common data defining fixed properties of telecommunication network elements from a common data source;

retrieving performance data defining operational performance of telecommunication network elements from a performance data source;

storing said common data in a common data table;

storing said performance data in a performance data table;

prompting via a user interface for a report request to provide a telecommunication network performance report, the report request including a configuration request for a report configuration, a common data request to base the report at least in part upon common data, and a performance data request to base the report at least in part upon performance data;

creating a procedure call statement in response to the report request;

querying a meta-data table for location information regarding data identified by said call statement;

using said location information to create a query statement;

executing said query statement so as to select data from said data tables;

using the data selected to produce the report having said requested configuration; and

outputting the produced report.”;

Rewrite claim 13 as follows:

“13. A method as claimed in claim 12, further comprising providing access to both (i) performance data comprising statistical measurement data and (ii) the common data source containing common data about reported telecommunication network devices not included in the statistical measurement data, so as to permit the common data and statistical measurement data to be grouped by management areas.”;

Rewrite claim 14 as follows:

“14. The method of claim 12, wherein the common data is retrieved from a first data file comprising the common data for at least one telecommunication network device within said telecommunication network, and wherein the performance data is retrieved from a second data file comprising the performance data for said at least one telecommunication network device.”;

Rewrite claim 17 as follows:

“17. The method of claim 14, wherein said at least one telecommunication network device comprises at least one of the following devices: switches, cell sites, and nodes.”;

Rewrite claim 18 as follows:

"18. The method of claim 14, further comprising using said location information to view said first and second data files for said data identified by said call statement.";

Rewrite claim 19 as follows:

"19. The method of claim 18, wherein common source data regarding said at least one telecommunication network device is accessed, and a common data loader is programmed to load said common source data into said first data file.";

Rewrite claim 20 as follows:

"20. The method of claim 18, wherein performance source data regarding said at least one telecommunication network device is accessed, and a performance data loader is programmed to load said performance source data into said second data file.";

Rewrite claim 21 as follows:

"21. A computer-readable medium comprising computer readable instructions for reporting performance of a telecommunication network or portion thereof, said instructions, when executed, perform the steps of:

retrieving common data defining fixed properties of telecommunication network elements from a common data source;

retrieving performance data defining operational performance of telecommunication network elements from a performance data source;

storing said common data in a common data table;

storing said performance data in a performance data table;

prompting via a user interface for a report request to provide a telecommunication network performance report, the report request including a configuration request for a report configuration, a common data request to base the report at least in part upon common data, and a performance data request to base the report at least in part upon performance data;

creating a procedure call statement in response to the report request;

querying a meta-data table for location information regarding data identified by said call statement;

using said location information to create a query statement;

executing said query statement so as to select data from said data tables;

using the data selected to produce the report having said requested configuration; and

outputting the produced report.”;

Rewrite claim 22 as follows:

“22. The computer-readable medium of claim 21, wherein the steps further comprise accessing to both (i) performance data comprising statistical measurement data and (ii) the common data source containing common data about reported



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telecommunication network devices not included in the statistical measurement data, so as to permit the common data and statistical measurement data to be grouped by management areas.”;

Rewrite claim 23 as follows:

“23. The computer-readable medium of claim 21, further comprising accessing a first data file comprising the common data for at least one telecommunication network device within said telecommunication network, and accessing a second data file comprising the performance data for said at least one telecommunication network device.”;

Rewrite claim 24 as follows:

“24. The computer-readable medium of claim 23, further comprising using said location information to view said first and second data files in said executing of said query statement.”;

Rewrite claim 25 as follows:

“25. The computer-readable medium of claim 24, wherein common source data regarding said at least one telecommunication network device is accessed, and a common data loader is programmed to load said common source data into said first data file.”; and

Rewrite claim 26 as follows:

"26. The computer-readable medium of claim 24, wherein performance source data regarding said at least one telecommunication network device is accessed, and a performance data loader is programmed to load said performance source data into said second data file."

***Allowable Subject Matter***

5. Claims 3-26 are allowed.

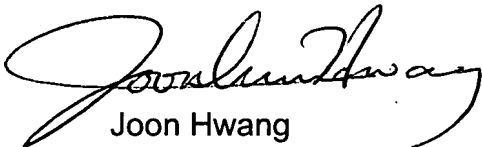
Claims 3, 12, and 21 identify the distinct features, a telecommunication network performance report request including a configuration request for a report configuration, a common data request to base the report at least in part upon common data defining fixed properties of telecommunication network elements, and a performance data request to base the report at least in part upon performance data defining operational performance of telecommunication network elements; creating a procedure call statement in response to the report request; querying a meta-data table for location information regarding data identified by said call statement; using said location information to create a query statement; and outputting the report having said requested configuration, which are not taught or suggested by the prior art of records. The closest prior art, Barry et al. (U.S. Publication No. 2005/0216421) disclosing a web-based telecommunication management system generating a report, fails to suggest the claimed limitations as mentioned above in combination with other claimed elements.

The above features in conjunction with all other limitations of the dependent and independent claims 3-26 are hereby allowed.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joon H. Hwang whose telephone number is 571-272-4036. The examiner can normally be reached on 9:30-6:00(M~F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T. Alam can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



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4/26/07